

Contents

List of Figures.....	ix
List of Tables	xi
Sampling Location Information.....	xiii
Chapter 1 Introduction	1
Mission	1
Site Location, Demographics, and Environment.....	1
Primary Site Activities.....	2
Chapter 2 Environmental Management System.....	5
Savannah River Site Environmental Management System Policy	5
Chapter 3 Environmental Compliance	7
Compliance Activities	7
Environmental Release Response and Reporting.....	17
Assessments/Inspections	18
Environmental Training	19
Environmental Permits.....	19
Chapter 4 Effluent Monitoring	21
Radiological Monitoring	21
Nonradiological Monitoring	24
Chapter 5 Environmental Surveillance	29
Radiological Surveillance	29
Nonradiological Surveillance.....	38
Chapter 6 Potential Radiation Doses	41
Calculating Dose	41
Dose Calculation Results	42

Chapter 7 Groundwater	53
Groundwater at SRS	53
Groundwater Protection Program at SRS.....	56
Groundwater Monitoring Results	60
Chapter 8 Quality Assurance.....	63
QA for Environmental Permitting and Monitoring	63
QA for Environmental Monitoring Laboratory	63
QA for Subcontracted Laboratories/EMP Laboratories	64
Appendix A Applicable Guidelines, Standards, and Regulations	69
Air Effluent Discharges	69
(Process) Liquid Effluent Discharges	71
Site Streams	71
Savannah River	72
Drinking Water	73
Groundwater	73
Potential Dose	74
Environmental Management.....	75
Quality Assurance/Quality Control	76
Reporting.....	76
Appendix B Radionuclide and Chemical Nomenclature	79
Appendix C Errata.....	83
Glossary	85
References	93